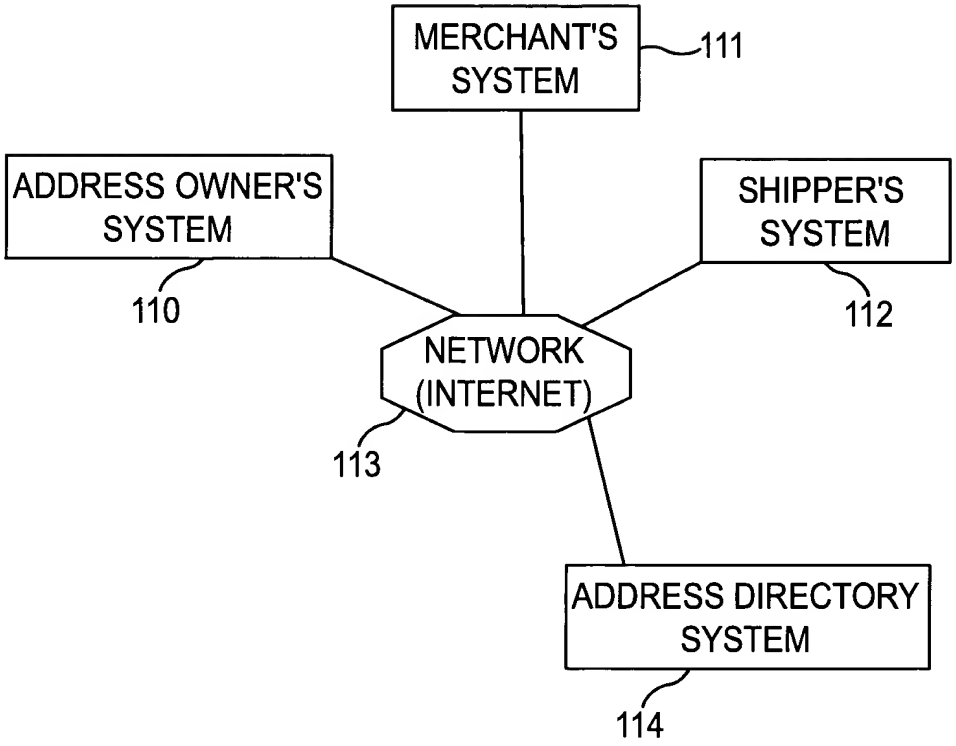
MERCHANT'S SYSTEM
111
ADDRESS OWNER'S SYSTEM
110
SHIPPER'S SYSTEM
112
NETWORK (INTERNET)
113
ADDRESS DIRECTORY SYSTEM
114

FIG. 1A

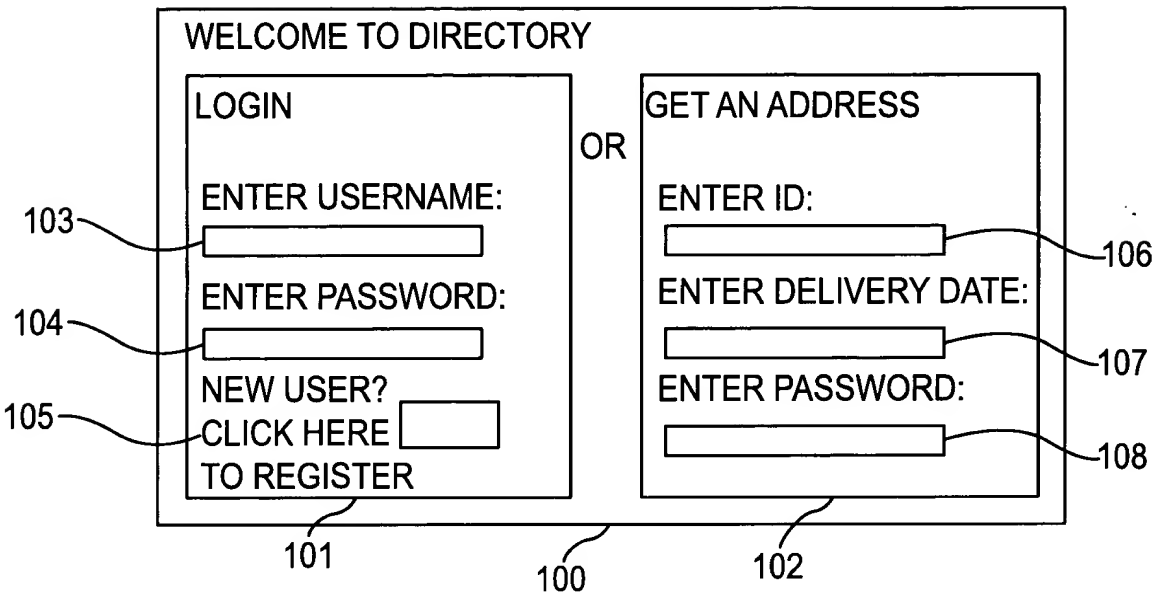
WELCOME TO DIRECTORY
LOGIN
ENTER USERNAME:
ENTER PASSWORD:
NEW USER?
CLICK HERE
TO REGISTER
OR
GET AN ADDRESS
ENTER ID:
ENTER DELIVERY DATE:
ENTER PASSWORD:
103
104
105
106
107
108
101
100
102

FIG. 1B

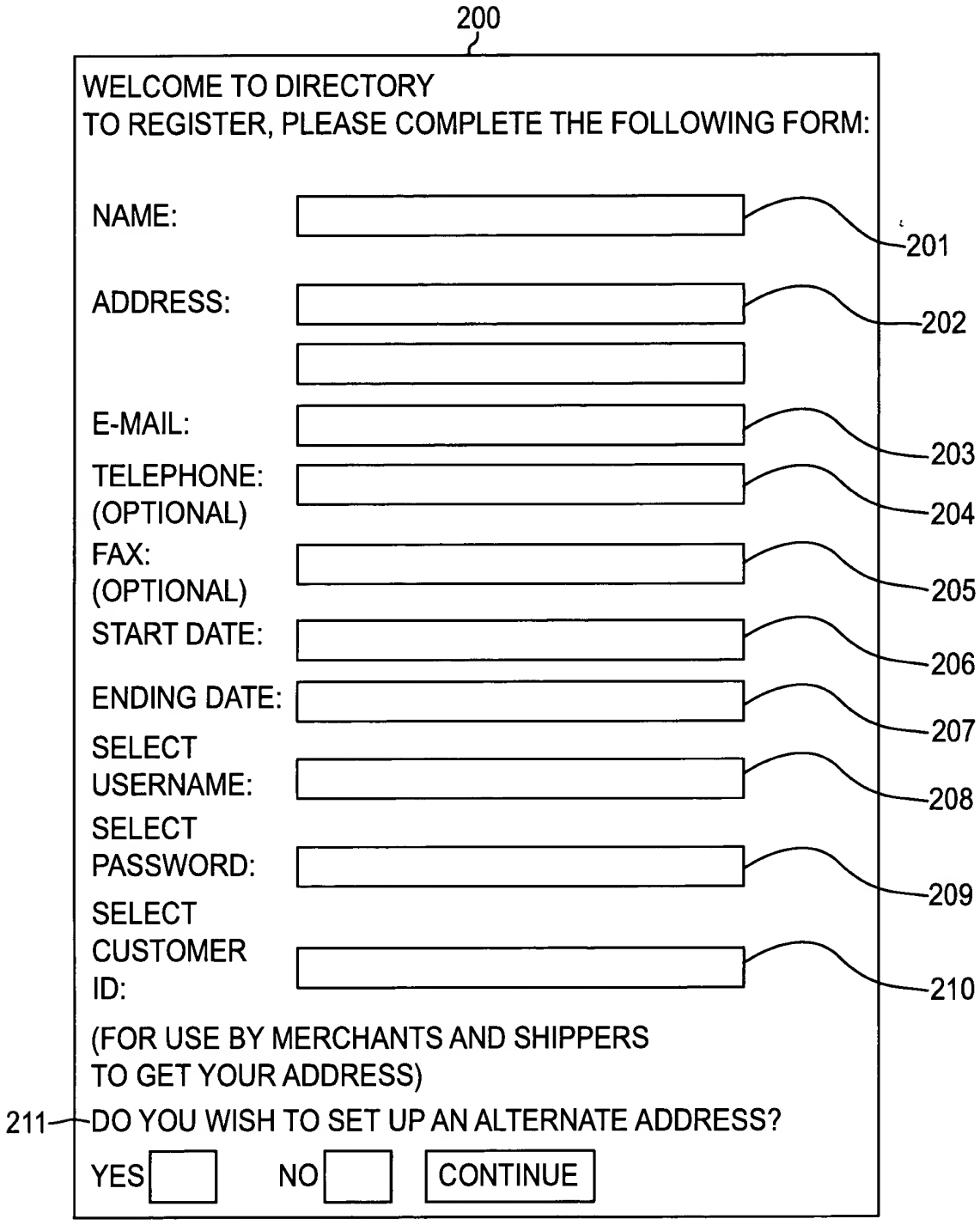
200
WELCOME TO DIRECTORY
TO REGISTER, PLEASE COMPLETE THE FOLLOWING FORM:
NAME:
201
ADDRESS:
202
E-MAIL:
203
TELEPHONE:
(OPTIONAL)
204
FAX:
(OPTIONAL)
205
START DATE:
206
ENDING DATE:
207
SELECT
USERNAME:
208
SELECT
PASSWORD:
209
SELECT
CUSTOMER
ID:
210
(FOR USE BY MERCHANTS AND SHIPPERS
TO GET YOUR ADDRESS)
211
DO YOU WISH TO SET UP AN ALTERNATE ADDRESS?
YES
NO
CONTINUE

FIG. 2

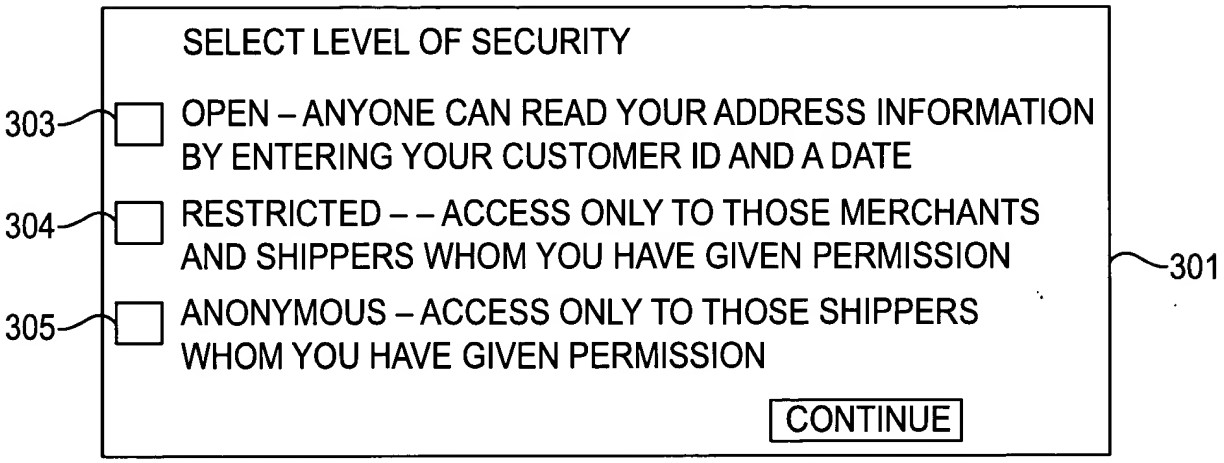
SELECT LEVEL OF SECURITY
303
OPEN – ANYONE CAN READ YOUR ADDRESS INFORMATION BY ENTERING YOUR CUSTOMER ID AND A DATE
304
RESTRICTED – – ACCESS ONLY TO THOSE MERCHANTS AND SHIPPERS WHOM YOU HAVE GIVEN PERMISSION
305
ANONYMOUS – ACCESS ONLY TO THOSE SHIPPERS WHOM YOU HAVE GIVEN PERMISSION
CONTINUE
301

FIG. 3A

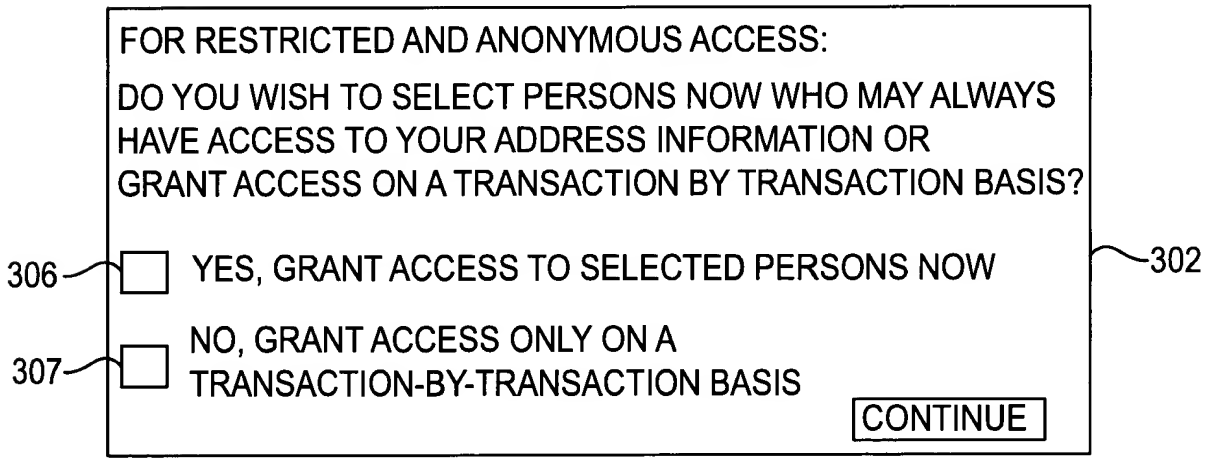
FOR RESTRICTED AND ANONYMOUS ACCESS:
DO YOU WISH TO SELECT PERSONS NOW WHO MAY ALWAYS HAVE ACCESS TO YOUR ADDRESS INFORMATION OR GRANT ACCESS ON A TRANSACTION BY TRANSACTION BASIS?
306
YES, GRANT ACCESS TO SELECTED PERSONS NOW
307
NO, GRANT ACCESS ONLY ON A TRANSACTION-BY-TRANSACTION BASIS
CONTINUE
302

FIG. 3B

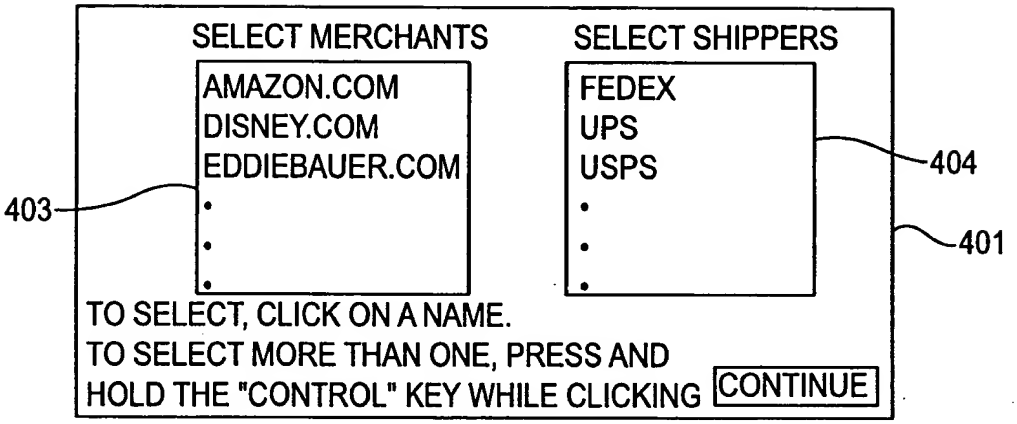
SELECT MERCHANTS
SELECT SHIPPERS
AMAZON.COM
DISNEY.COM
EDDIEBAUER.COM
FEDEX
UPS
USPS
403
404
401
TO SELECT, CLICK ON A NAME.
TO SELECT MORE THAN ONE, PRESS AND
HOLD THE "CONTROL" KEY WHILE CLICKING
CONTINUE

FIG. 4A

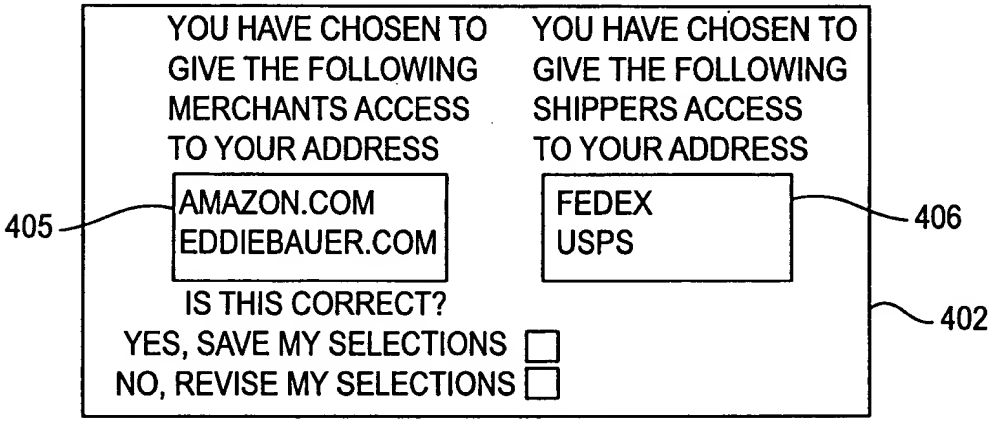
YOU HAVE CHOSEN TO GIVE THE FOLLOWING MERCHANTS ACCESS TO YOUR ADDRESS
YOU HAVE CHOSEN TO GIVE THE FOLLOWING SHIPPERS ACCESS TO YOUR ADDRESS
AMAZON.COM
EDDIEBAUER.COM
FEDEX
USPS
405
406
402
IS THIS CORRECT?
YES, SAVE MY SELECTIONS
NO, REVISE MY SELECTIONS

FIG. 4B

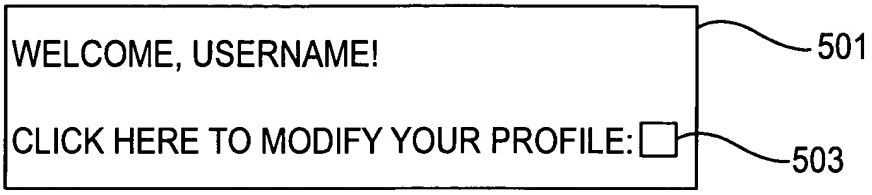
WELCOME, USERNAME!
CLICK HERE TO MODIFY YOUR PROFILE:
501
503

FIG. 5A

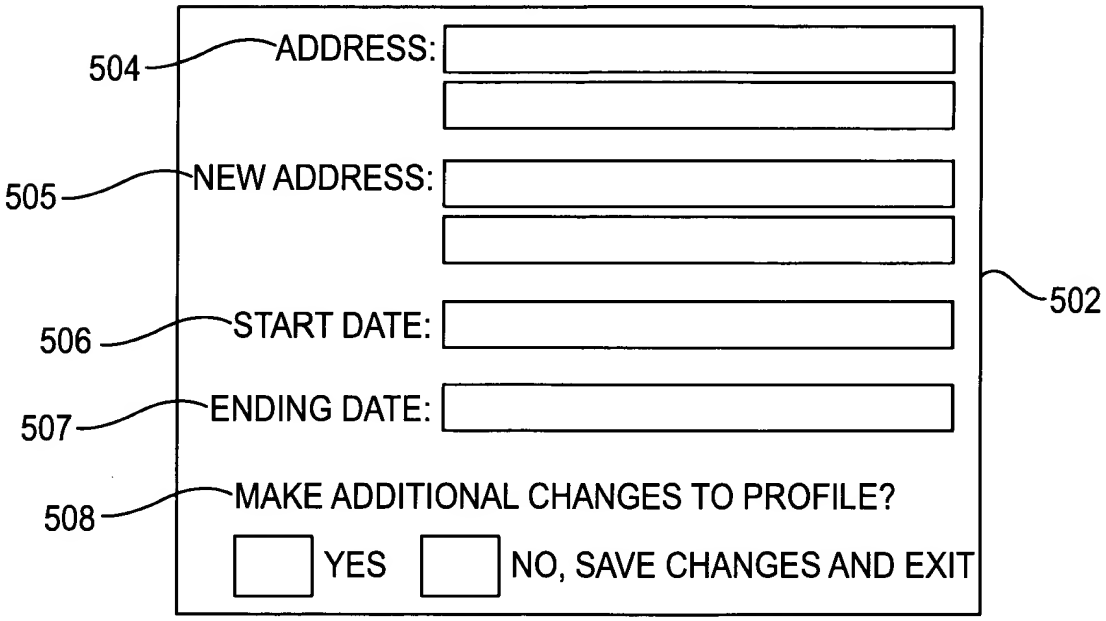
504
ADDRESS:
505
NEW ADDRESS:
506
START DATE:
507
ENDING DATE:
508
MAKE ADDITIONAL CHANGES TO PROFILE?
YES
NO, SAVE CHANGES AND EXIT
502

FIG. 5B

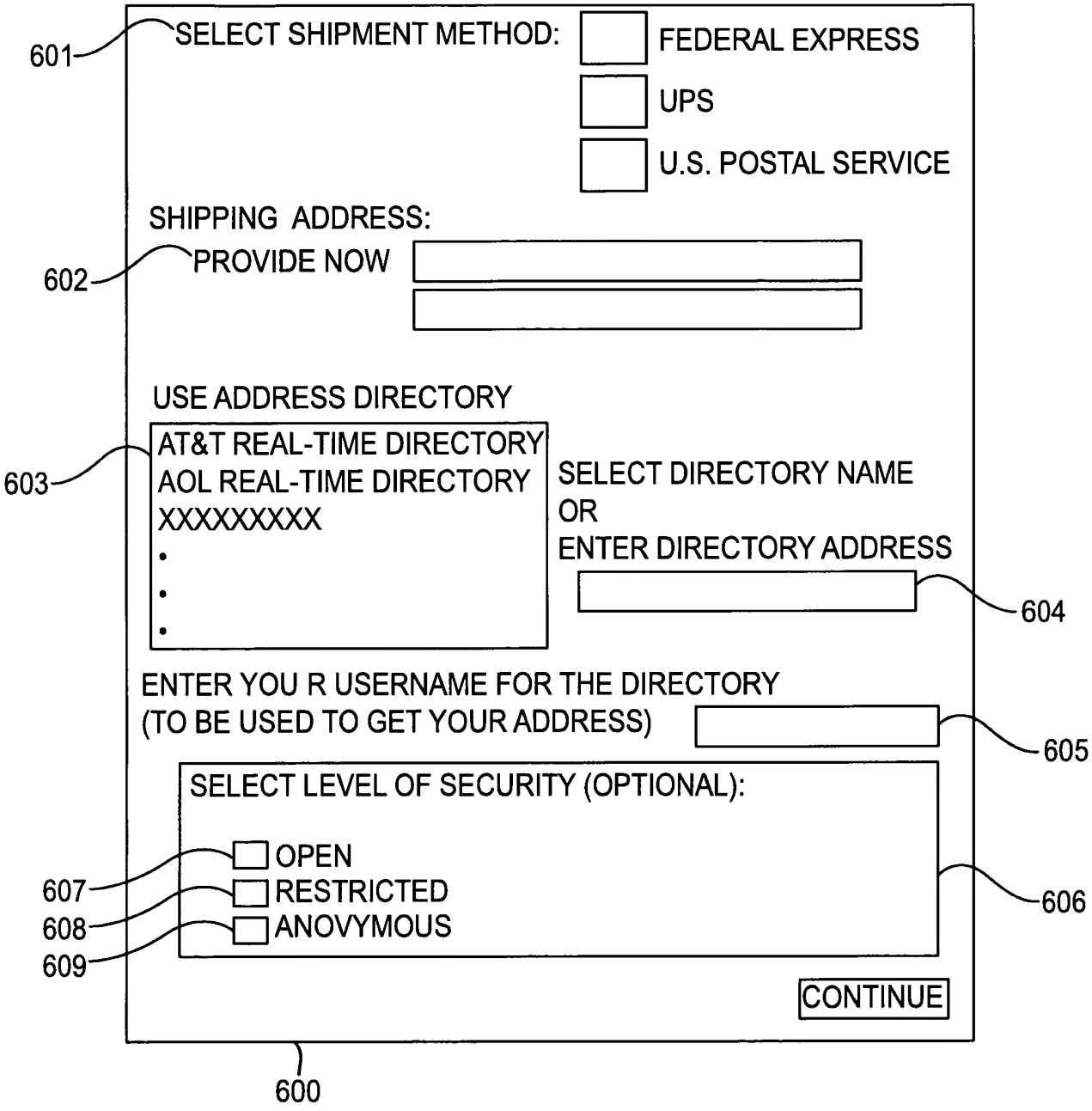
601
SELECT SHIPMENT METHOD:
FEDERAL EXPRESS
UPS
U.S. POSTAL SERVICE
SHIPPING ADDRESS:
602
PROVIDE NOW
USE ADDRESS DIRECTORY
603
AT&T REAL-TIME DIRECTORY
AOL REAL-TIME DIRECTORY
XXXXXXXXX
SELECT DIRECTORY NAME
OR
ENTER DIRECTORY ADDRESS
604
ENTER YOU R USERNAME FOR THE DIRECTORY
(TO BE USED TO GET YOUR ADDRESS)
605
SELECT LEVEL OF SECURITY (OPTIONAL):
607
OPEN
608
RESTRICTED
609
ANOVYMOUS
606
CONTINUE
600

FIG. 6

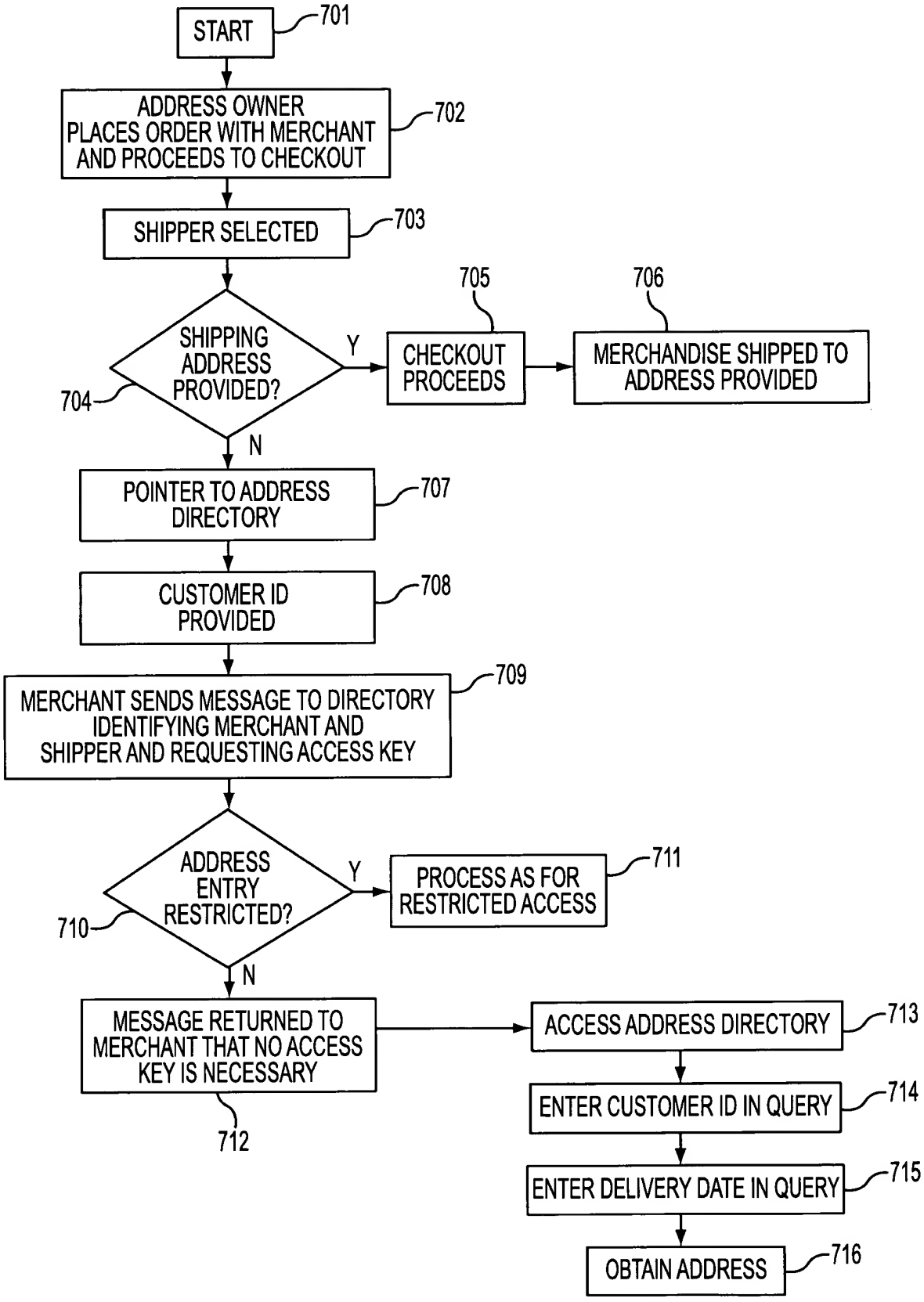
START
701
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
702
SHIPPER SELECTED
703
SHIPPING ADDRESS PROVIDED?
704
Y
N
705
CHECKOUT PROCEEDS
706
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
POINTER TO ADDRESS DIRECTORY
707
CUSTOMER ID PROVIDED
708
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
709
ADDRESS ENTRY RESTRICTED?
710
Y
N
PROCESS AS FOR RESTRICTED ACCESS
711
MESSAGE RETURNED TO MERCHANT THAT NO ACCESS KEY IS NECESSARY
712
ACCESS ADDRESS DIRECTORY
713
ENTER CUSTOMER ID IN QUERY
714
ENTER DELIVERY DATE IN QUERY
715
OBTAIN ADDRESS
716

FIG. 7

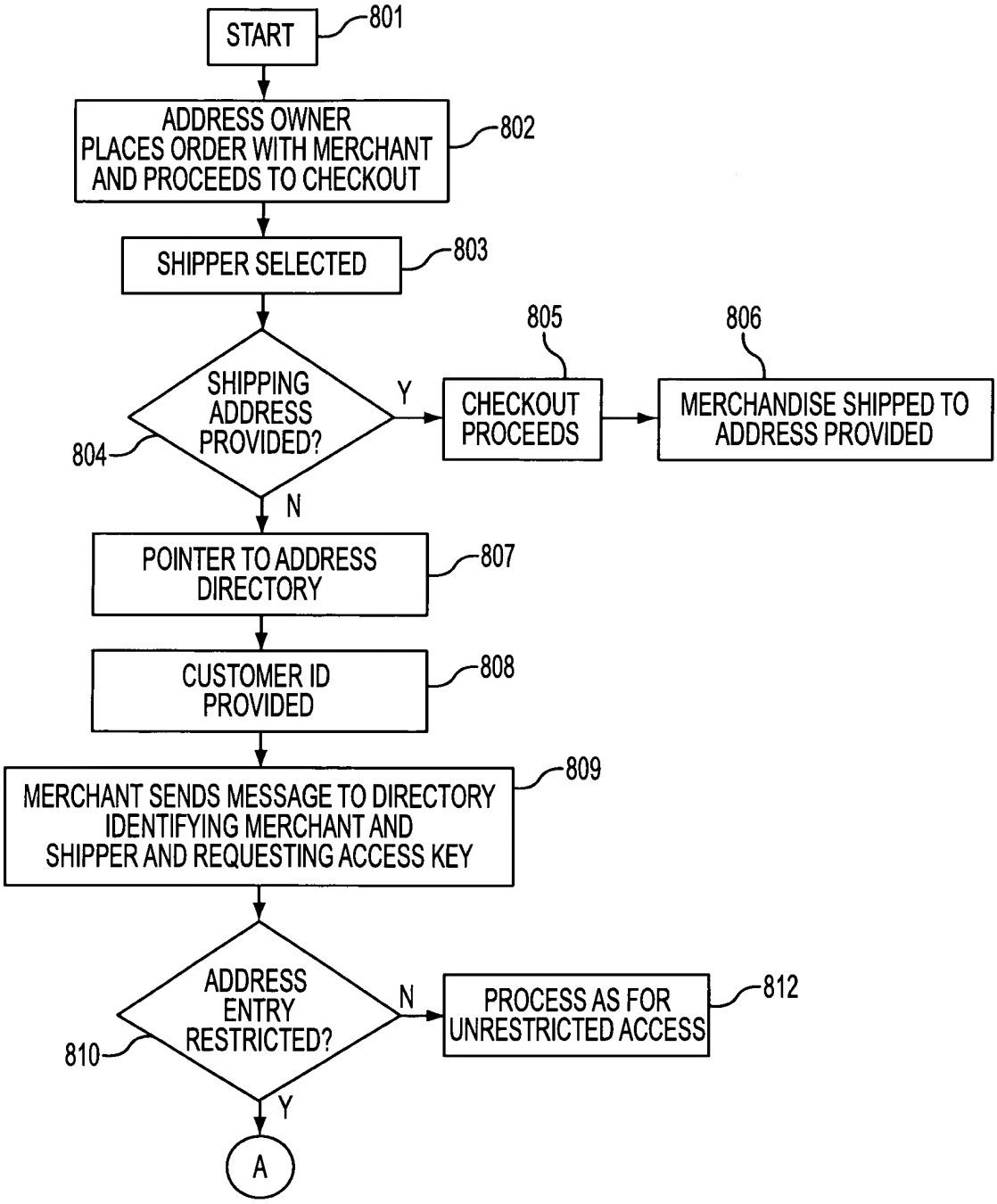
START
801
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
802
SHIPPER SELECTED
803
SHIPPING ADDRESS PROVIDED?
804
Y
805
CHECKOUT PROCEEDS
806
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
807
CUSTOMER ID PROVIDED
808
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
809
ADDRESS ENTRY RESTRICTED?
810
N
PROCESS AS FOR UNRESTRICTED ACCESS
812
Y
A

FIG. 8A

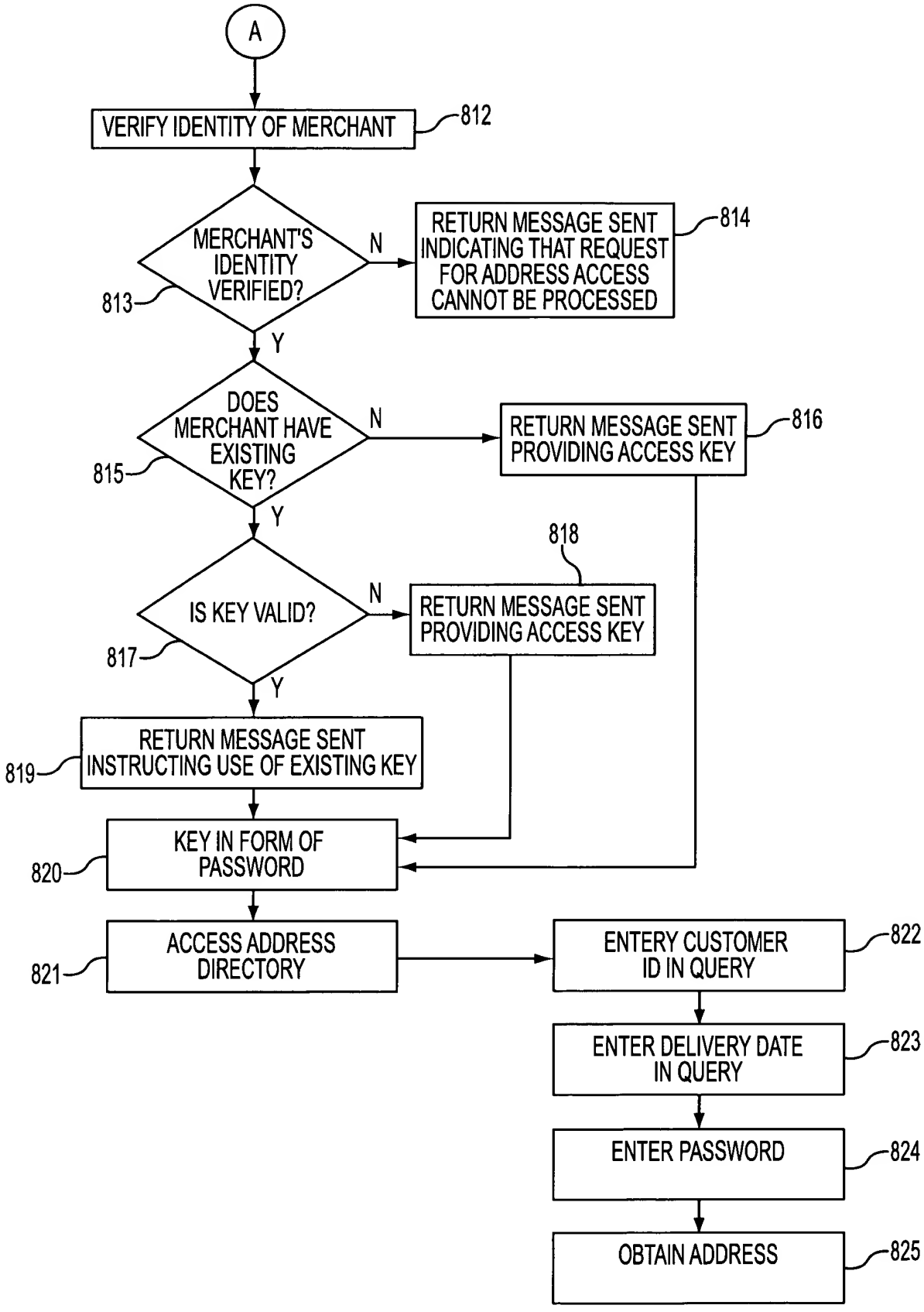
A
VERIFY IDENTITY OF MERCHANT
812
MERCHANT'S IDENTITY VERIFIED?
813
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
814
Y
DOES MERCHANT HAVE EXISTING KEY?
815
N
RETURN MESSAGE SENT PROVIDING ACCESS KEY
816
Y
IS KEY VALID?
817
N
818
RETURN MESSAGE SENT PROVIDING ACCESS KEY
Y
RETURN MESSAGE SENT INSTRUCTING USE OF EXISTING KEY
819
KEY IN FORM OF PASSWORD
820
ACCESS ADDRESS DIRECTORY
821
ENTERY CUSTOMER ID IN QUERY
822
ENTER DELIVERY DATE IN QUERY
823
ENTER PASSWORD
824
OBTAIN ADDRESS
825

FIG. 8B

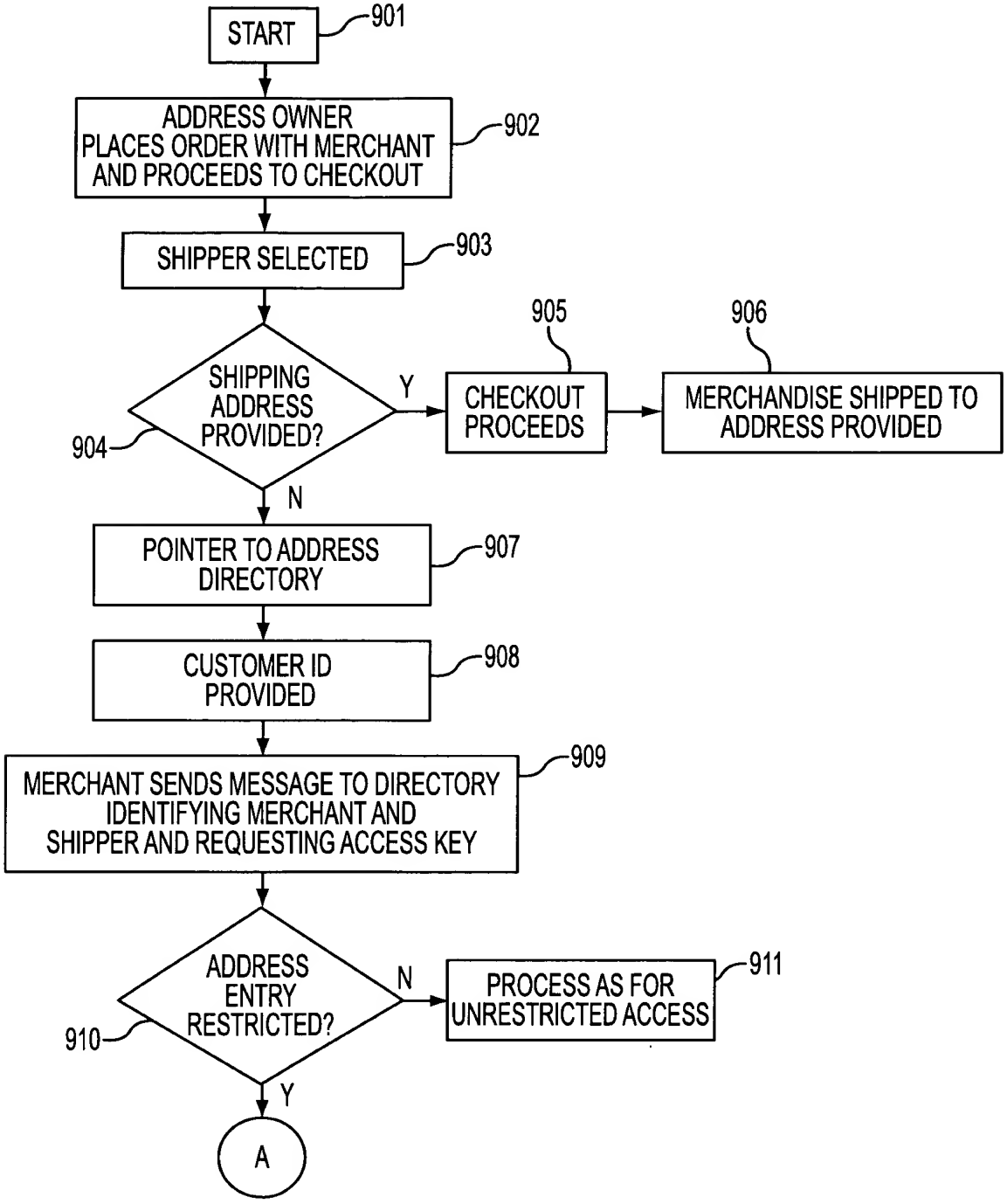
START
901
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
902
SHIPPER SELECTED
903
SHIPPING ADDRESS PROVIDED?
904
Y
905
CHECKOUT PROCEEDS
906
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
907
CUSTOMER ID PROVIDED
908
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
909
ADDRESS ENTRY RESTRICTED?
910
N
911
PROCESS AS FOR UNRESTRICTED ACCESS
Y
A

FIG. 9A

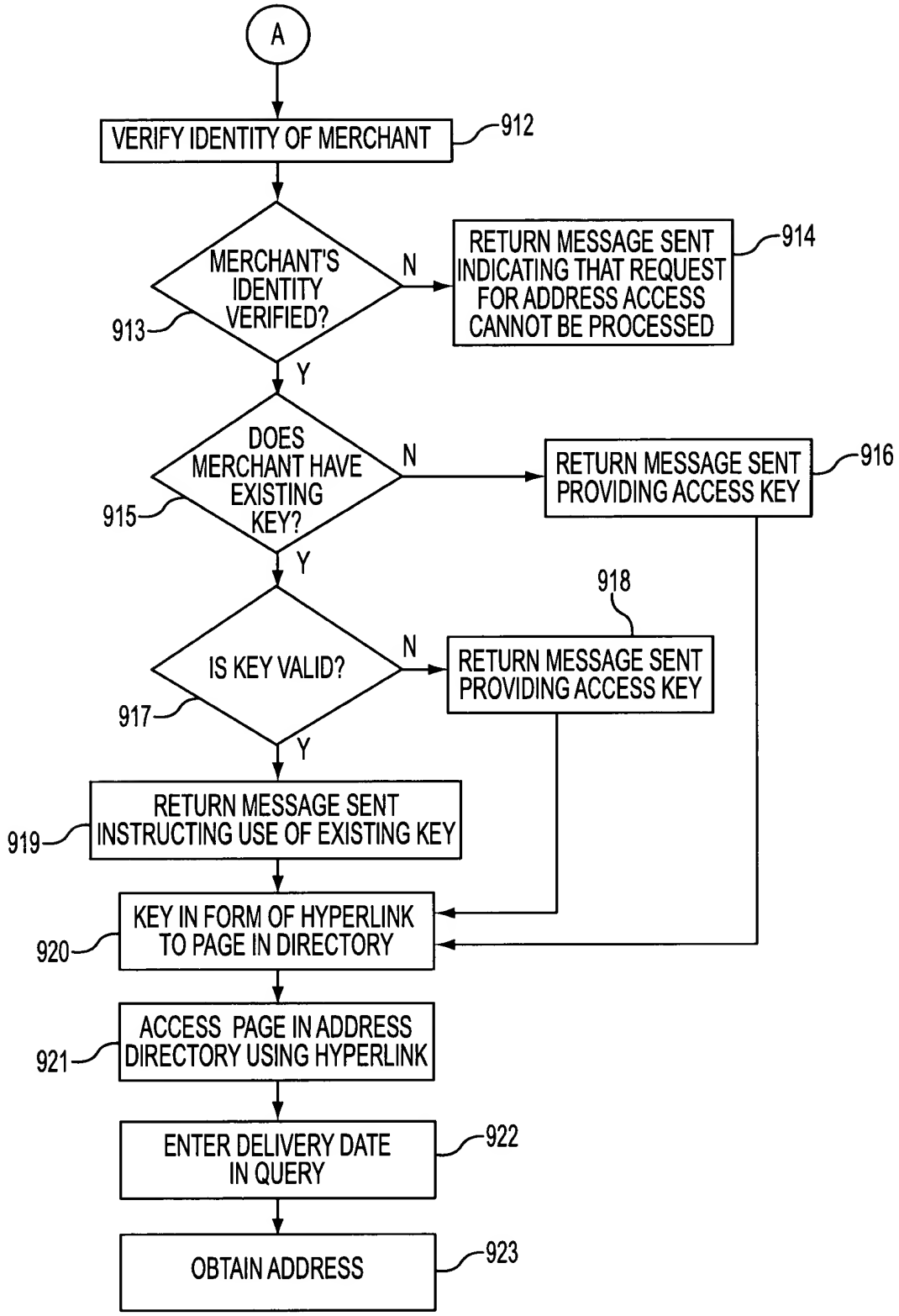
A
VERIFY IDENTITY OF MERCHANT
912
MERCHANT'S IDENTITY VERIFIED?
913
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
914
Y
DOES MERCHANT HAVE EXISTING KEY?
915
N
RETURN MESSAGE SENT PROVIDING ACCESS KEY
916
Y
IS KEY VALID?
917
N
918
RETURN MESSAGE SENT PROVIDING ACCESS KEY
Y
RETURN MESSAGE SENT INSTRUCTING USE OF EXISTING KEY
919
KEY IN FORM OF HYPERLINK TO PAGE IN DIRECTORY
920
ACCESS PAGE IN ADDRESS DIRECTORY USING HYPERLINK
921
ENTER DELIVERY DATE IN QUERY
922
OBTAIN ADDRESS
923

FIG. 9B

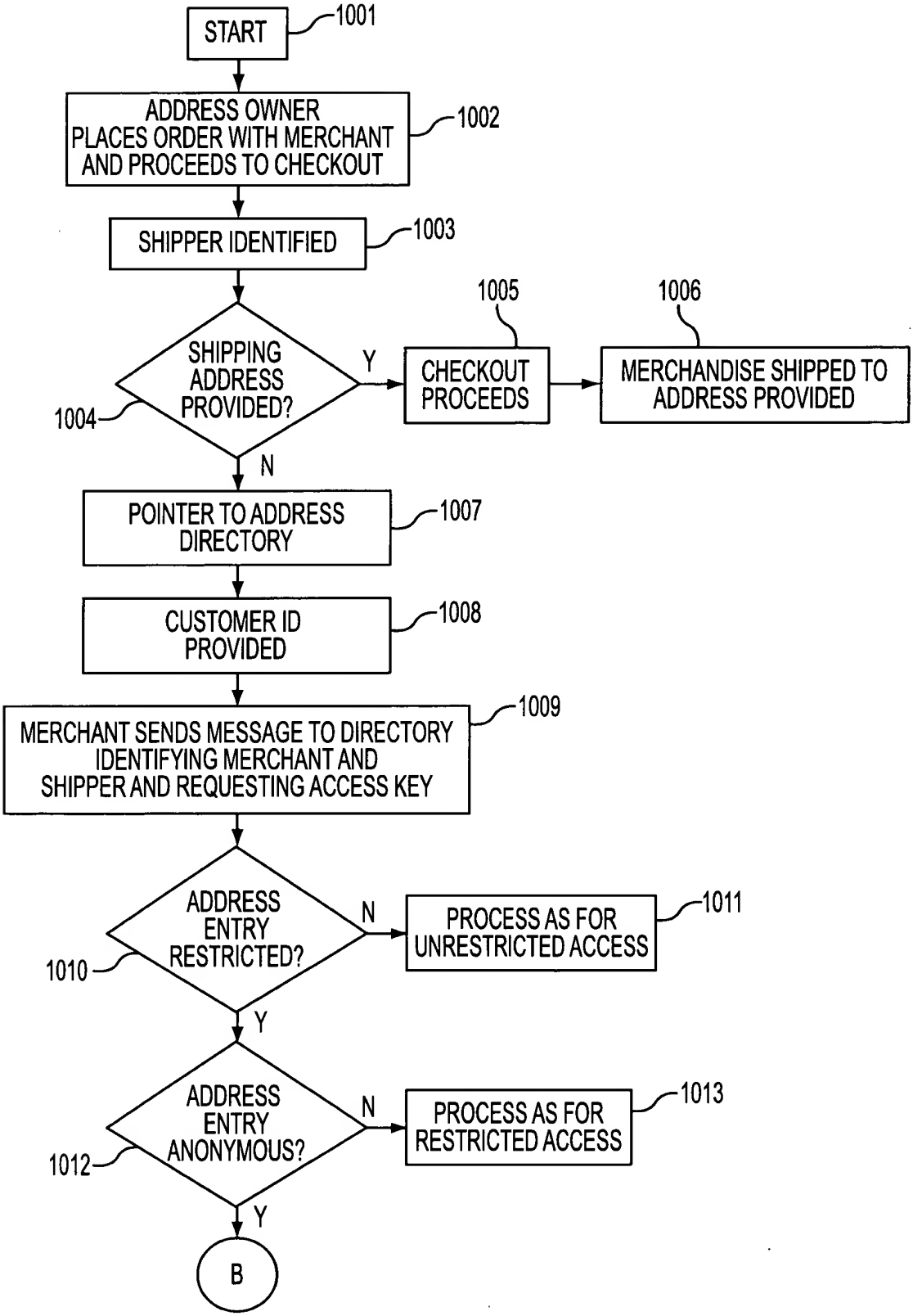
START
1001
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
1002
SHIPPER IDENTIFIED
1003
SHIPPING ADDRESS PROVIDED?
1004
Y
1005
CHECKOUT PROCEEDS
1006
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
1007
CUSTOMER ID PROVIDED
1008
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
1009
ADDRESS ENTRY RESTRICTED?
1010
N
PROCESS AS FOR UNRESTRICTED ACCESS
1011
Y
ADDRESS ENTRY ANONYMOUS?
1012
N
PROCESS AS FOR RESTRICTED ACCESS
1013
Y
B

FIG. 10A

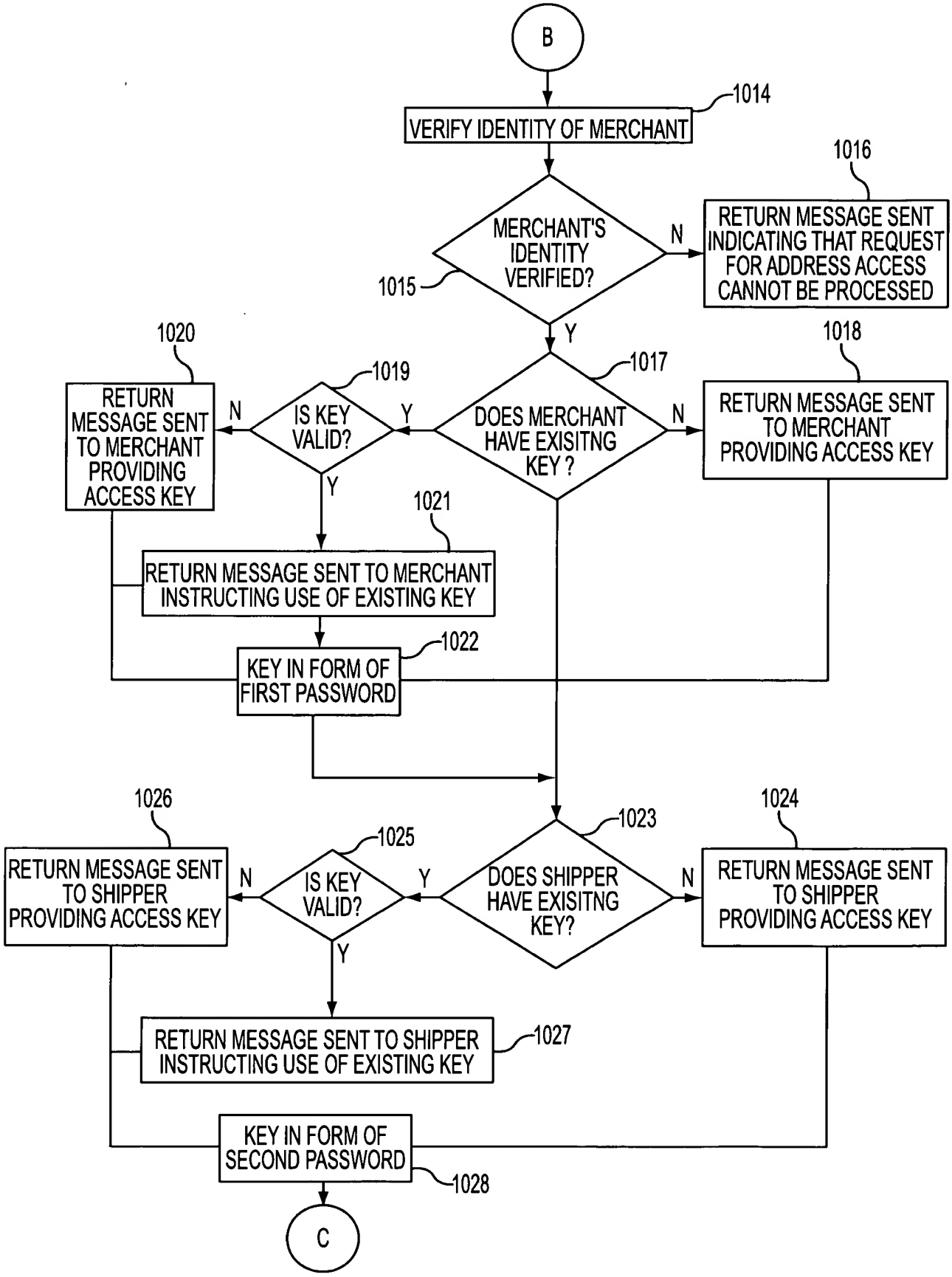
B
VERIFY IDENTITY OF MERCHANT
1014
MERCHANT'S IDENTITY VERIFIED?
1015
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
1016
Y
DOES MERCHANT HAVE EXISITNG KEY ?
1017
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
1018
Y
IS KEY VALID?
1019
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
1020
Y
RETURN MESSAGE SENT TO MERCHANT INSTRUCTING USE OF EXISTING KEY
1021
KEY IN FORM OF FIRST PASSWORD
1022
DOES SHIPPER HAVE EXISITNG KEY?
1023
N
RETURN MESSAGE SENT TO SHIPPER PROVIDING ACCESS KEY
1024
Y
IS KEY VALID?
1025
N
RETURN MESSAGE SENT TO SHIPPER PROVIDING ACCESS KEY
1026
Y
RETURN MESSAGE SENT TO SHIPPER INSTRUCTING USE OF EXISTING KEY
1027
KEY IN FORM OF SECOND PASSWORD
1028
C

FIG. 10B

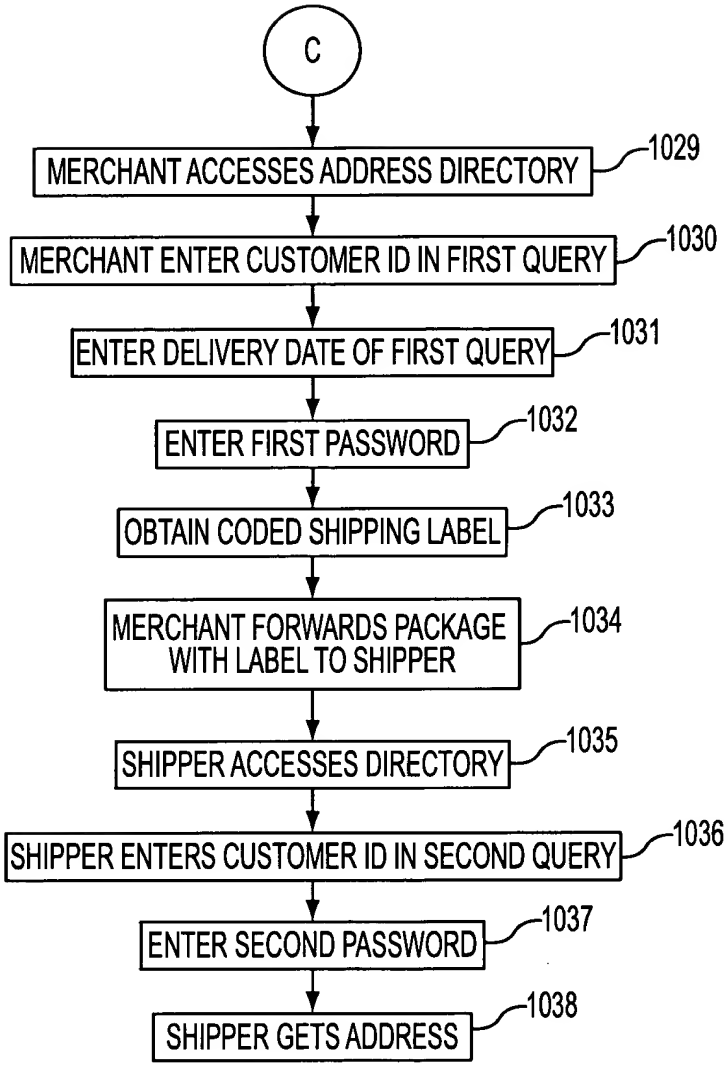
C
MERCHANT ACCESSES ADDRESS DIRECTORY
1029
MERCHANT ENTER CUSTOMER ID IN FIRST QUERY
1030
ENTER DELIVERY DATE OF FIRST QUERY
1031
ENTER FIRST PASSWORD
1032
OBTAIN CODED SHIPPING LABEL
1033
MERCHANT FORWARDS PACKAGE WITH LABEL TO SHIPPER
1034
SHIPPER ACCESSES DIRECTORY
1035
SHIPPER ENTERS CUSTOMER ID IN SECOND QUERY
1036
ENTER SECOND PASSWORD
1037
SHIPPER GETS ADDRESS
1038

FIG. 10C

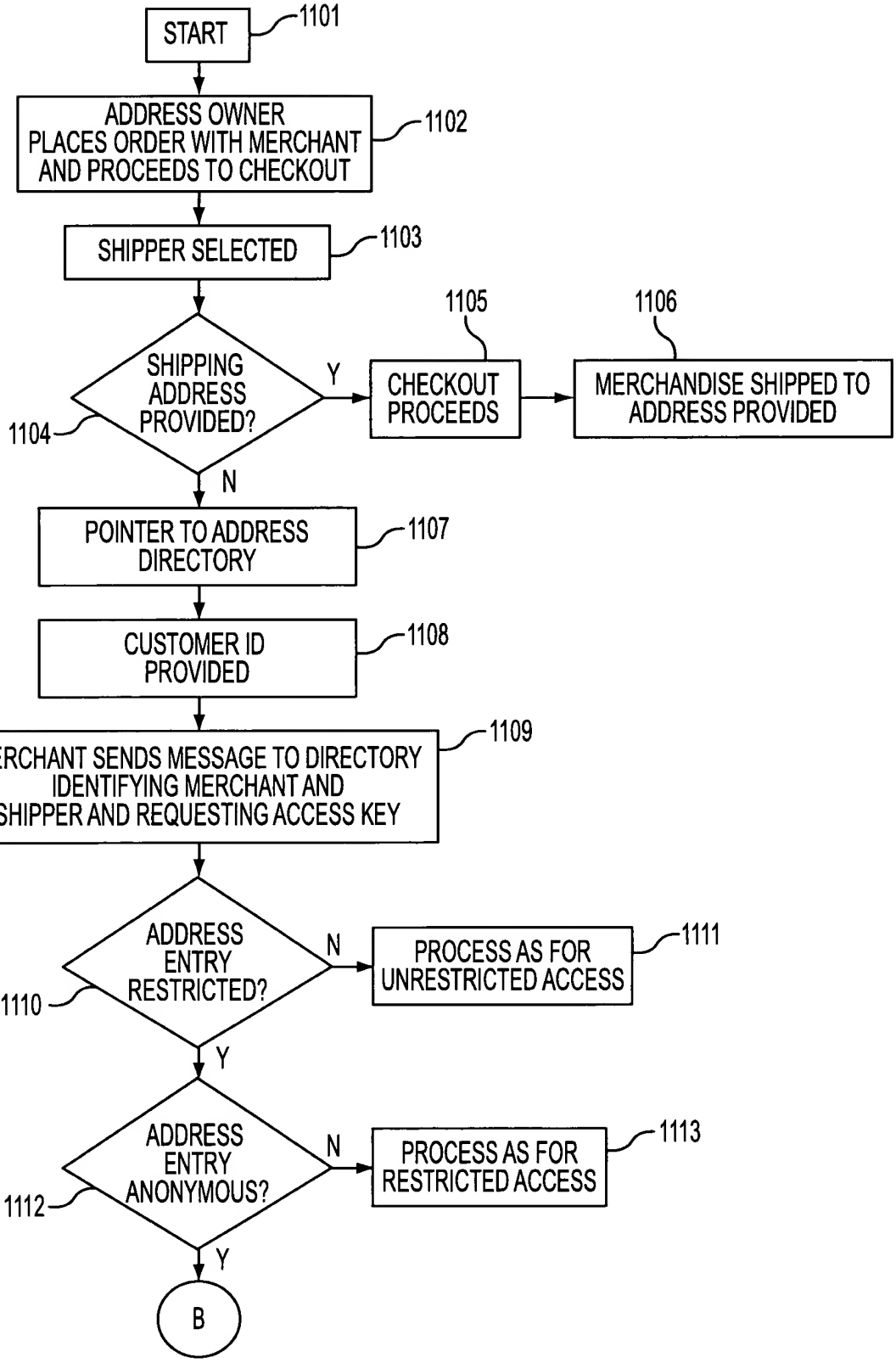
START
1101
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
1102
SHIPPER SELECTED
1103
SHIPPING ADDRESS PROVIDED?
1104
Y
1105
CHECKOUT PROCEEDS
1106
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
1107
CUSTOMER ID PROVIDED
1108
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
1109
ADDRESS ENTRY RESTRICTED?
1110
N
PROCESS AS FOR UNRESTRICTED ACCESS
1111
Y
ADDRESS ENTRY ANONYMOUS?
1112
N
PROCESS AS FOR RESTRICTED ACCESS
1113
Y
B

FIG. 11A

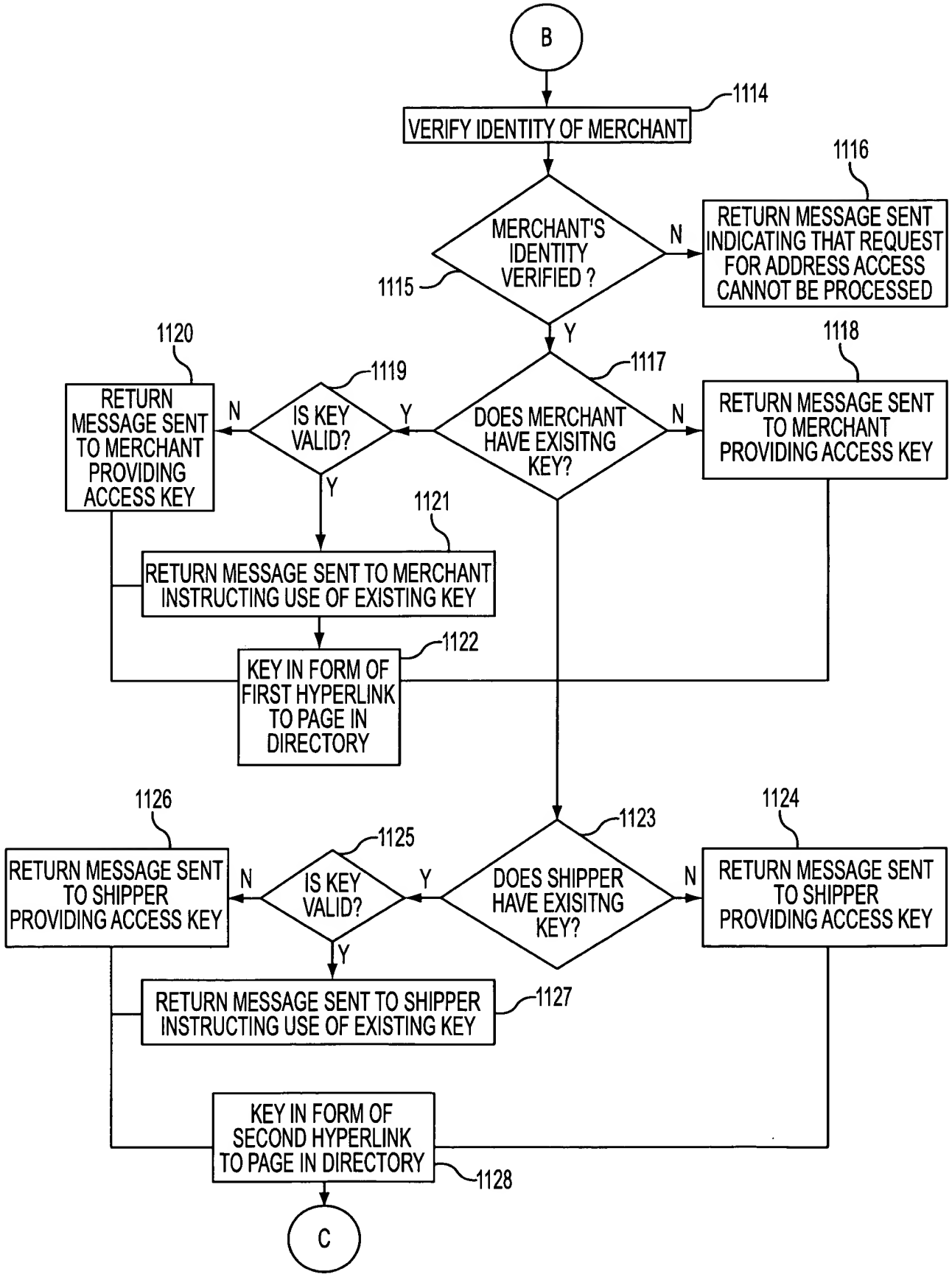
B
VERIFY IDENTITY OF MERCHANT
1114
MERCHANT'S IDENTITY VERIFIED ?
1115
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
1116
Y
DOES MERCHANT HAVE EXISITNG KEY?
1117
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
1118
Y
IS KEY VALID?
1119
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
1120
Y
RETURN MESSAGE SENT TO MERCHANT INSTRUCTING USE OF EXISTING KEY
1121
KEY IN FORM OF FIRST HYPERLINK TO PAGE IN DIRECTORY
1122
DOES SHIPPER HAVE EXISITNG KEY?
1123
N
RETURN MESSAGE SENT TO SHIPPER PROVIDING ACCESS KEY
1124
Y
IS KEY VALID?
1125
N
RETURN MESSAGE SENT TO SHIPPER PROVIDING ACCESS KEY
1126
Y
RETURN MESSAGE SENT TO SHIPPER INSTRUCTING USE OF EXISTING KEY
1127
KEY IN FORM OF SECOND HYPERLINK TO PAGE IN DIRECTORY
1128
C

FIG. 11B

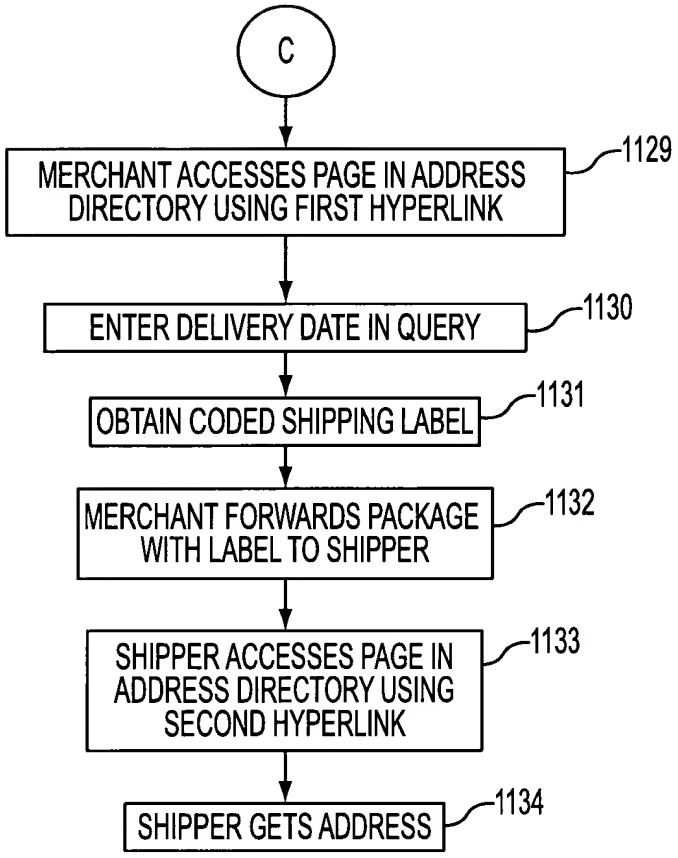
C
MERCHANT ACCESSES PAGE IN ADDRESS DIRECTORY USING FIRST HYPERLINK
1129
ENTER DELIVERY DATE IN QUERY
1130
OBTAIN CODED SHIPPING LABEL
1131
MERCHANT FORWARDS PACKAGE WITH LABEL TO SHIPPER
1132
SHIPPER ACCESSES PAGE IN ADDRESS DIRECTORY USING SECOND HYPERLINK
1133
SHIPPER GETS ADDRESS
1134

FIG. 11C

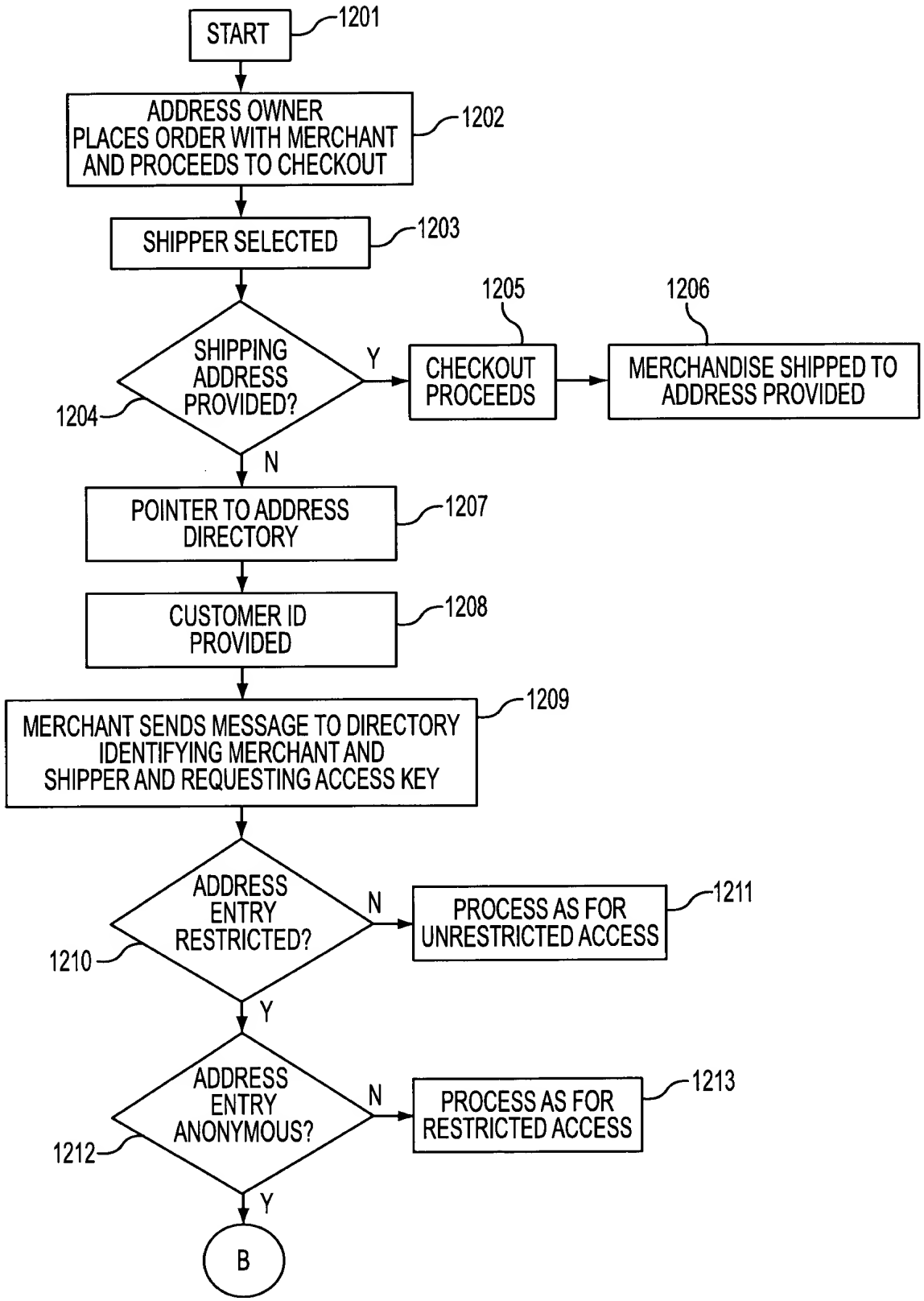
START
1201
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
1202
SHIPPER SELECTED
1203
SHIPPING ADDRESS PROVIDED?
1204
Y
1205
CHECKOUT PROCEEDS
1206
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
1207
CUSTOMER ID PROVIDED
1208
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
1209
ADDRESS ENTRY RESTRICTED?
1210
N
PROCESS AS FOR UNRESTRICTED ACCESS
1211
Y
ADDRESS ENTRY ANONYMOUS?
1212
N
PROCESS AS FOR RESTRICTED ACCESS
1213
Y
B

FIG. 12A

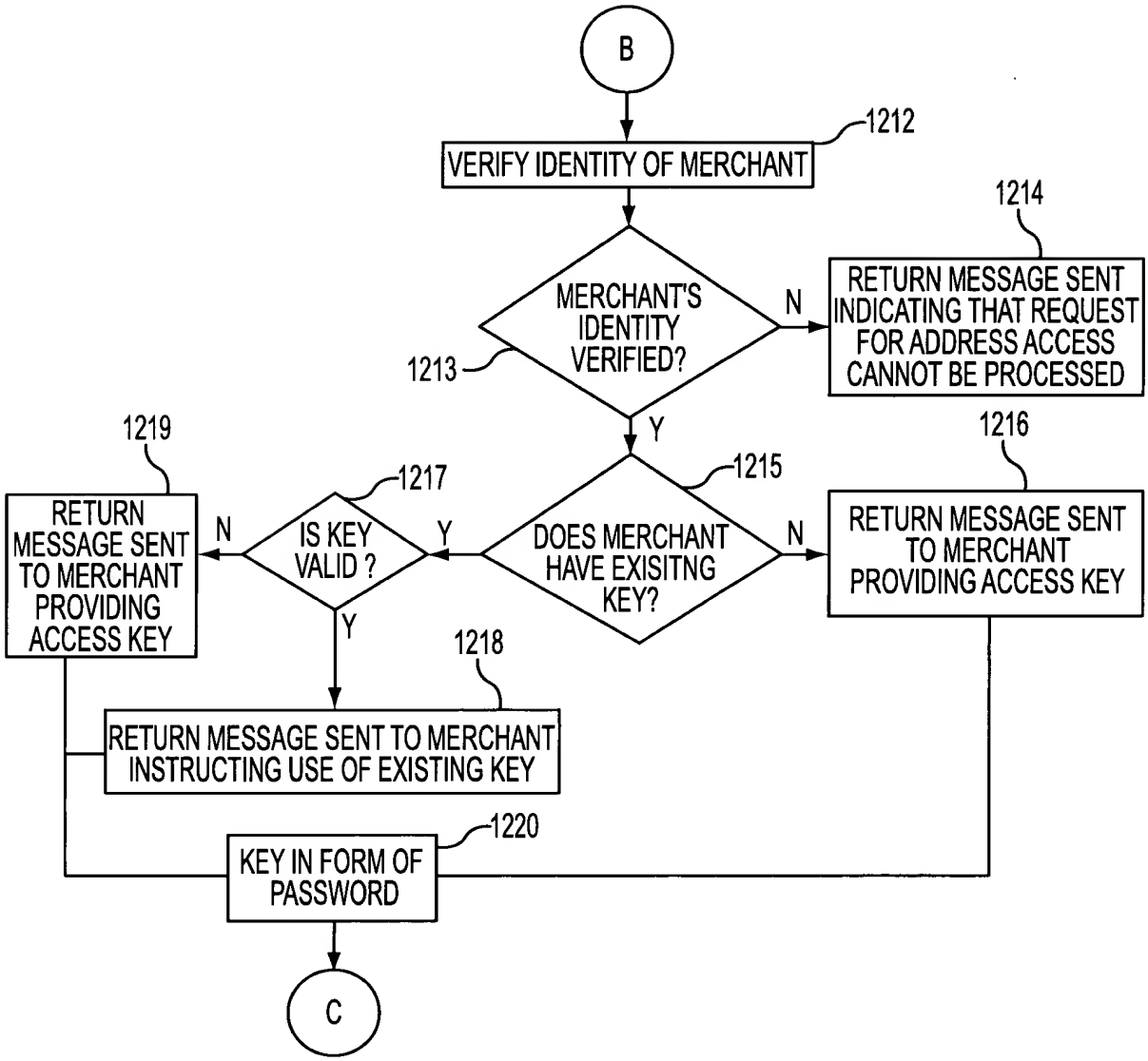
B
1212
VERIFY IDENTITY OF MERCHANT
1214
MERCHANT'S IDENTITY VERIFIED?
1213
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
Y
1219
1217
1215
1216
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
N
IS KEY VALID ?
Y
DOES MERCHANT HAVE EXISITNG KEY?
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
Y
1218
RETURN MESSAGE SENT TO MERCHANT INSTRUCTING USE OF EXISTING KEY
1220
KEY IN FORM OF PASSWORD
C

FIG. 12B

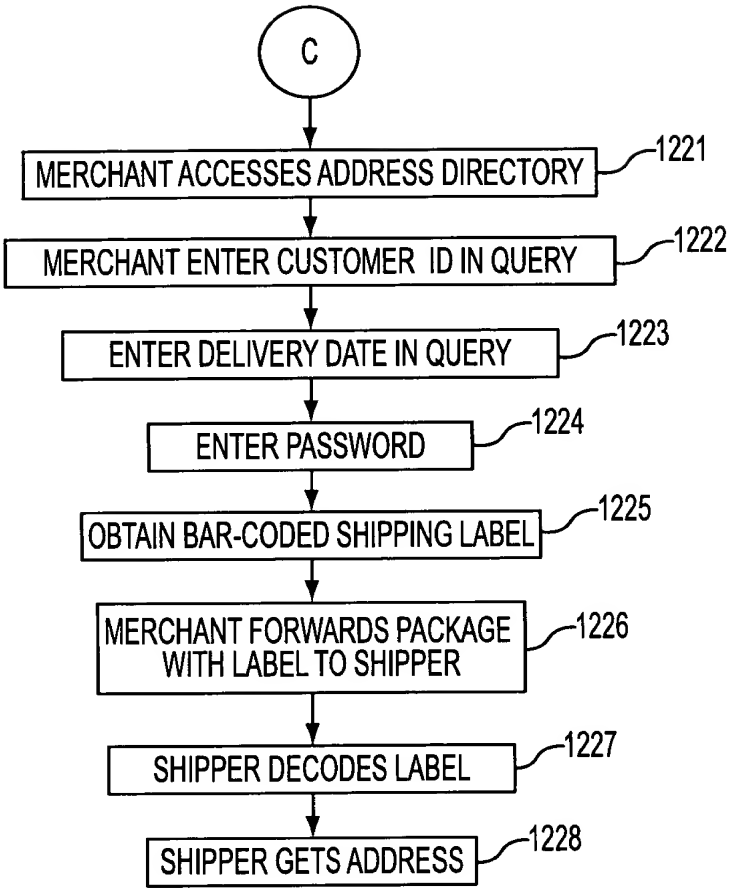
C
MERCHANT ACCESSES ADDRESS DIRECTORY
1221
MERCHANT ENTER CUSTOMER ID IN QUERY
1222
ENTER DELIVERY DATE IN QUERY
1223
ENTER PASSWORD
1224
OBTAIN BAR-CODED SHIPPING LABEL
1225
MERCHANT FORWARDS PACKAGE WITH LABEL TO SHIPPER
1226
SHIPPER DECODES LABEL
1227
SHIPPER GETS ADDRESS
1228

FIG. 12C

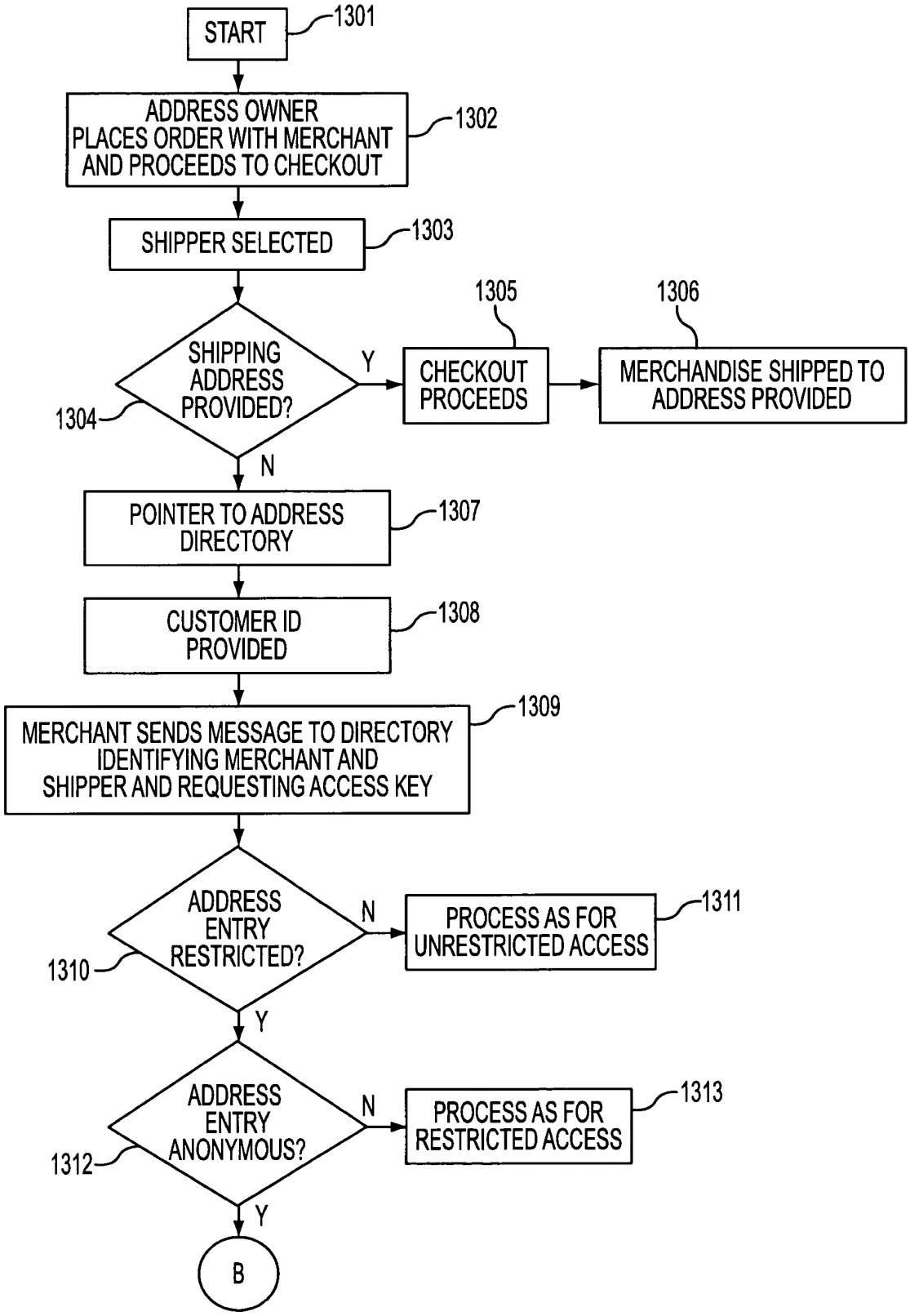
START
1301
ADDRESS OWNER PLACES ORDER WITH MERCHANT AND PROCEEDS TO CHECKOUT
1302
SHIPPER SELECTED
1303
SHIPPING ADDRESS PROVIDED?
1304
Y
1305
CHECKOUT PROCEEDS
1306
MERCHANDISE SHIPPED TO ADDRESS PROVIDED
N
POINTER TO ADDRESS DIRECTORY
1307
CUSTOMER ID PROVIDED
1308
MERCHANT SENDS MESSAGE TO DIRECTORY IDENTIFYING MERCHANT AND SHIPPER AND REQUESTING ACCESS KEY
1309
ADDRESS ENTRY RESTRICTED?
1310
N
PROCESS AS FOR UNRESTRICTED ACCESS
1311
Y
ADDRESS ENTRY ANONYMOUS?
1312
N
PROCESS AS FOR RESTRICTED ACCESS
1313
Y
B

FIG. 13A

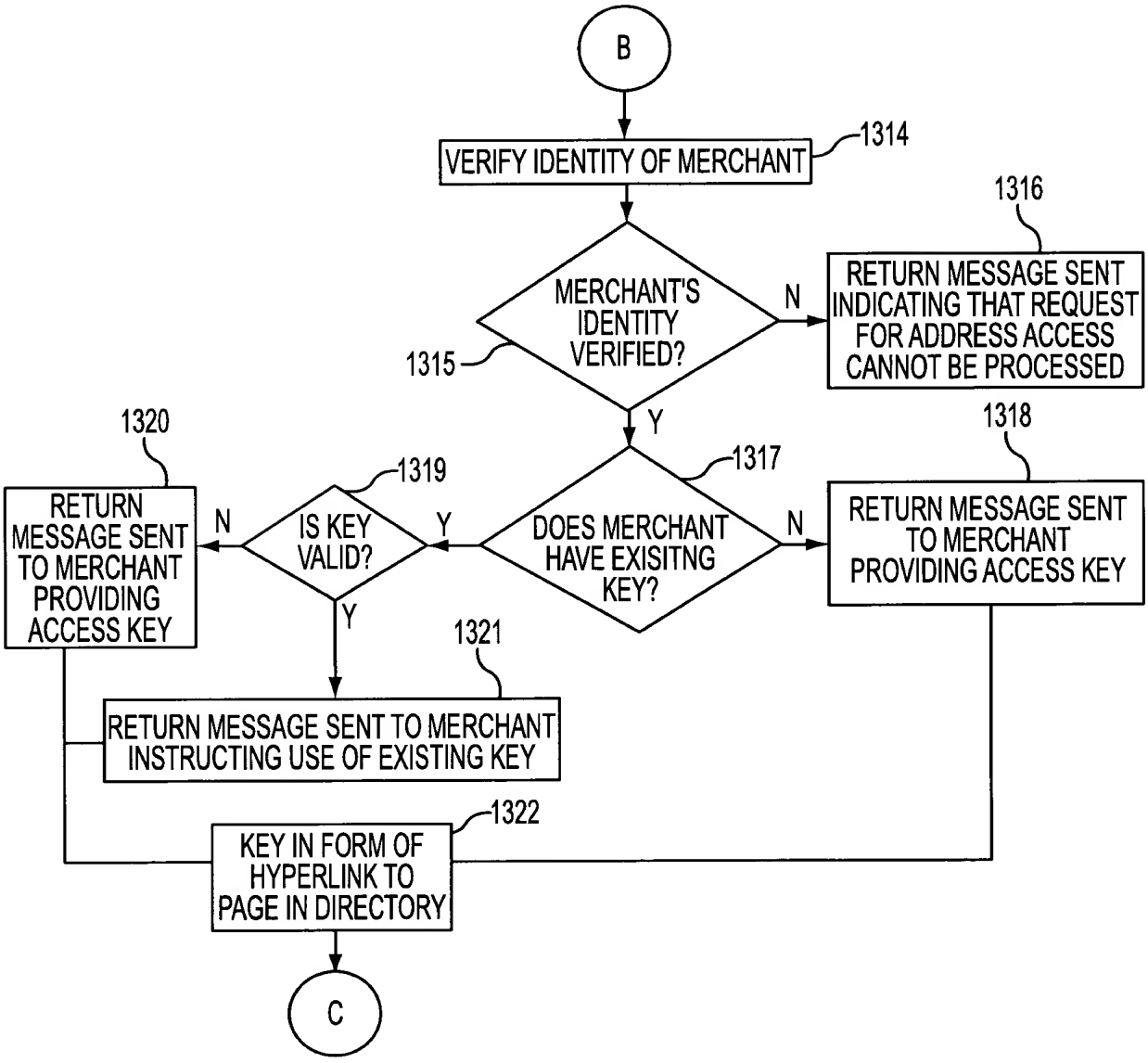
B
VERIFY IDENTITY OF MERCHANT
1314
1316
MERCHANT'S IDENTITY VERIFIED?
1315
N
RETURN MESSAGE SENT INDICATING THAT REQUEST FOR ADDRESS ACCESS CANNOT BE PROCESSED
Y
1320
1319
1317
1318
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
N
IS KEY VALID?
Y
DOES MERCHANT HAVE EXISITNG KEY?
N
RETURN MESSAGE SENT TO MERCHANT PROVIDING ACCESS KEY
Y
1321
RETURN MESSAGE SENT TO MERCHANT INSTRUCTING USE OF EXISTING KEY
1322
KEY IN FORM OF HYPERLINK TO PAGE IN DIRECTORY
C

FIG. 13B

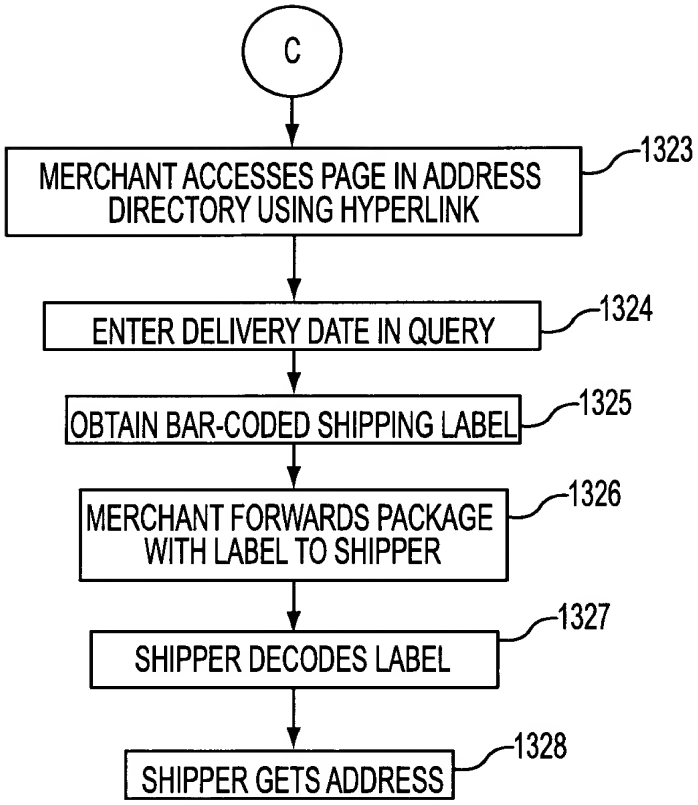
C
MERCHANT ACCESSES PAGE IN ADDRESS DIRECTORY USING HYPERLINK
1323
ENTER DELIVERY DATE IN QUERY
1324
OBTAIN BAR-CODED SHIPPING LABEL
1325
MERCHANT FORWARDS PACKAGE WITH LABEL TO SHIPPER
1326
SHIPPER DECODES LABEL
1327
SHIPPER GETS ADDRESS
1328

FIG. 13C